

*****STN Columbus *****

FILE 'HOME' ENTERED AT 14:36:34 ON 12 JAN 2001

=> file electrical computer

=> s ((model? or simulat?)(10a)terror?) and (risk or probability)

4 FILES SEARCHED...

9 FILES SEARCHED...

12 FILES SEARCHED...

20 FILES SEARCHED...

L1 39 (MODEL? OR SIMULAT?)(10A) TERROR?) AND (RISK OR PROBABILITY)

=> d 1-39 bib

L1 ANSWER 1 OF 39 ENERGY COPYRIGHT 2001 USDOE/JEA-ETDE

AN 1999(18):83520 ENERGY

TI Modeling Requirements for Simulating the Effects of Extreme Acts of Terrorism: A White Paper.

AU Allen, M.; Hiebert-Dodd, K.; Marozas, D.; Paananen, O.; Pryor, R.J.;

Reinert, R.K.

CS Sandia National Laboratories, Albuquerque, NM, and Livermore, CA (United States)

Funding Organisation: USDOE

NC AC04-94AL85000

NR SAND98-2289

SO 1 Oct 1998. [vp] OSTI as DE00001898; NTIS; INIS; US Govt. Printing Office Dep.

DT Report

CY United States

LA English

FA AB

L1 ANSWER 2 OF 39 ENERGY COPYRIGHT 2001 USDOE/JEA-ETDE

AN 1999(18):81412 ENERGY

TI Formulation for the integrated assessment of physical.

AU Parziale, A. A.

CS Lawrence Livermore National Laboratory, Livermore, CA (United States)

Funding Organisation: USDOE Office of Defense Programs (DP)

NC W-7405-Eng-48

NR UCRL-ID-124129

SO 1 Nov 1996. 47 p. DP0101011. OSTI (US Only) as DE00002537; NTIS (US Only); US Govt. Printing Office Dep.

DT Report

CY United States

LA English

I

01/12/01

FA AB

L1 ANSWER 3 OF 39 ENERGY COPYRIGHT 2001 USDOE/JEA-ETDE

AN 1999(18):81398 ENERGY

TI Derivation of models for nuclear weapon terrorist arming and detonation risk analysis.

AU Parziale, A A

CS Lawrence Livermore National Laboratory (LLNL), Livermore, CA (United States)

Funding Organisation: USDOE Office of Defense Programs (DP)

NC W-7405-Eng-48

NR UCRL-ID-132476

SO 1 Mar 1998. 174 Kilobytes p. DP0101011. OSTI; NTIS; URL: <http://www.llnl.gov/tid/lof/documents/pdf/234785.pdf>; US Govt. Printing Office Dep.

DT Report; Availability Note

CY United States

LA English

FA AB

L1 ANSWER 4 OF 39 ENERGY COPYRIGHT 2001 USDOE/JEA-ETDE

AN 1999(18):81397 ENERGY

TI Derivation of models for nuclear weapon terrorist arming and detonation risk analysis.

AU Parziale, A A

CS Lawrence Livermore National Laboratory (LLNL), Livermore, CA (United States)

Funding Organisation: USDOE Office of Defense Programs (DP)

NC W-7405-Eng-48

NR UCRL-ID-132476

SO 1 Mar 1998. 174 Kilobytes p. DP0101011. OSTI; NTIS; URL: <http://www.llnl.gov/tid/lof/documents/pdf/234785.pdf>; US Govt. Printing Office Dep.

DT Report; Availability Note

CY United States

LA English

FA AB

L1 ANSWER 5 OF 39 ENERGY COPYRIGHT 2001 USDOE/JEA-ETDE

AN 1999(17):73658 ENERGY

TI Computer modelling for risk assessment of transportation using methods of fuzzy set theory.

AU Kosterev, V. V.; Panin, M. P.; Maksimov, A. U.; Gusev, S. M. (MEPhI, Moscow (Russian Federation))

NR CONF-980507-

SO Packaging and transportation of radioactive materials.

Societe Francaise d'Energie Nucleaire (SFEN), 75 - Paris (France)

Paris: Societe Francaise d'Energie Nucleaire SFEN. 1998. p. 927-932 of [1876 p.]. 6 refs.

Conference: PATRAM '98: 12. international conference on packaging and

transportation of radioactive material, Paris (France), 10-15 May 1998

DT Book Article; Conference

CY France

LA English

FA AB

L1 ANSWER 6 OF 39 ENERGY COPYRIGHT 2001 USDOE/JEA-ETDE

AN 1988(3):15410 ENERGY

TI EDRP public local inquiry, UKAEA/BNFL precognition on: Risk targets and EDRP design.

AU Brown, M.L. [United Kingdom]

CS UKAEA Headquarters, London; British Nuclear Fuels Ltd., Risley

NR INIS-GB-33; DP-8-Add.1; DE88750762

Jun 1986. 112 p. Availability: NTIS (US Sales Only), PC A06/MF A01.

DT Report

CY United Kingdom

LA English

DN ERA-13:008494

L1 ANSWER 7 OF 39 ENERGY COPYRIGHT 2001 USDOE/JEA-ETDE

AN 1987(21):158563 ENERGY

TI Risk analysis of terrorist attacks.

AU Martz, H.F.; Johnson, M.E. (Los Alamos National Lab., NM) [United States]

SO Risk Anal. (Mar 1987) v. 7(1) p. 35-47

CODEN: RIANDF ISSN: 0272-4332

DT Journal

CY United States

LA English

DN ERA-12:048309

L1 ANSWER 8 OF 39 INSPEC COPYRIGHT 2001 IEE

AN 1998:5972912 INSPEC DN A9816-2875-047; C9808-7470-016

TI Computer modelling for ***risk*** assessment of transportation using methods of fuzzy set theory.

AU Kosterev, V.V.; Panin, M.P.; Maksimov, A.U.; Gusev, S.M. (MEPhI, Moscow, Russia)

SO PATRAM 98, The 12th International Conference on the Packaging and

Transportation of Radioactive Materials. Proceedings

Paris, France: SFEN-Soc. Francaise d'Energie Nucl, 1998. p.927-32 vol.2 of

4 vol. xxv+1876 pp. 6 refs. Availability: PATRAM 98, SFEN, 69773 rue

Dutoit, F 75015 Paris, France

Conference: Paris, France, 10-15 May 1998

DT Conference Article

TC Practical

CY France

LA English

L1 ANSWER 9 OF 39 INVESTEXT COPYRIGHT 2001 TFS

AN 2000:857047 INVESTEXT(tm) REPORT NUMBER:2071116

2

01/12/01

PGNO PAGE 2 OF 10

DN 2071116

TI JUPITER COMMUNICATIONS INC

AU APPERT, P.P.

CS DEUTSCHE BANC ALEX. BROWN - US; NEW YORK (STATE OF)

CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF

AMERICA; NORTH

AMERICA

CSTY Financial center investment bank-broker

PD 11 Feb 2000

DT COMPANY REPORT

FS Text Page; COMPANY REPORT

WC 402

L1 ANSWER 10 OF 39 INVESTEXT COPYRIGHT 2001 TFS

AN 1999:837252 INVESTEXT(tm) REPORT NUMBER:3496615

PGNO PAGE 1 OF 5

DN 3496615

TI American Science & Engr Inc.

AU Financial Information Services

CS MOODY'S INVESTORS SERVICE, COMPANY REPORT; NEW YORK (STATE OF)

CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF

AMERICA; NORTH

AMERICA

CSTY Source of statistical-tabular-summary information

PD 5 Jun 1999

DT COMPANY REPORT

FS Text Page; COMPANY REPORT

WC 516

L1 ANSWER 11 OF 39 INVESTEXT COPYRIGHT 2001 TFS

AN 1999:729377 INVESTEXT(tm) REPORT NUMBER:3477836

PGNO PAGE 1 OF 6

DN 3477836

TI American Science & Engr Inc.

AU Financial Information Services

CS MOODY'S INVESTORS SERVICE, COMPANY REPORT; NEW YORK (STATE OF)

CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF

AMERICA; NORTH

AMERICA

CSTY Source of statistical-tabular-summary information

PD 30 Apr 1999

DT COMPANY REPORT

FS Text Page; COMPANY REPORT

WC 498

L1 ANSWER 12 OF 39 INVESTTEXT COPYRIGHT 2001 TFS

AN 1999:723215 INVESTTEXT(tm) REPORT NUMBER:3479457
PGNO PAGE 2 OF 2
DN 3479457
TI American Science & Engr Inc. - History & Debt
AU Financial Information Services
CS MOODY'S INVESTORS SERVICE, HISTORY & DEBT; NEW YORK (STATE OF)
CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF AMERICA; NORTH AMERICA
CSTY Source of statistical-tabular-summary information
PD 24 Apr 1999
DT COMPANY REPORT
FS Text Page; COMPANY REPORT
WC 536

L1 ANSWER 13 OF 39 INVESTTEXT COPYRIGHT 2001 TFS

AN 1999:537566 INVESTTEXT(tm) REPORT NUMBER:3461009
PGNO PAGE 2 OF 2
DN 3461009
TI American Science & Engr Inc. - History & Debt
AU Moody's Investors Service
CS MOODY'S INVESTORS SERVICE, HISTORY & DEBT; NEW YORK (STATE OF)
CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF AMERICA; NORTH AMERICA
CSTY Source of statistical-tabular-summary information
PD 13 Feb 1999
DT COMPANY REPORT
FS Text Page; COMPANY REPORT
WC 536

L1 ANSWER 14 OF 39 INVESTTEXT COPYRIGHT 2001 TFS

AN 1999:530884 INVESTTEXT(tm) REPORT NUMBER:3461315
PGNO PAGE 1 OF 6
DN 3461315
TI American Science & Engr Inc.
AU Moody's Investors Service
CS MOODY'S INVESTORS SERVICE, COMPANY REPORT; NEW YORK (STATE OF)
CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF AMERICA; NORTH AMERICA
CSTY Source of statistical-tabular-summary information
PD 13 Feb 1999
DT COMPANY REPORT
FS Text Page; COMPANY REPORT

L1 ANSWER 15 OF 39 INVESTTEXT COPYRIGHT 2001 TFS

AN 1999:418619 INVESTTEXT(tm) REPORT NUMBER:3451911
PGNO PAGE 1 OF 6
DN 3451911
TI American Science & Engr Inc.
AU Moody's Investors Service
CS MOODY'S INVESTORS SERVICE, COMPANY REPORT; NEW YORK (STATE OF)
CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF AMERICA; NORTH AMERICA
CSTY Source of statistical-tabular-summary information
PD 9 Jan 1999
DT COMPANY REPORT
FS Text Page; COMPANY REPORT
WC 497

L1 ANSWER 16 OF 39 INVESTTEXT COPYRIGHT 2001 TFS

AN 1999:407213 INVESTTEXT(tm) REPORT NUMBER:3453859
PGNO PAGE 2 OF 2
DN 3453859
TI American Science & Engr Inc. - History & Debt
AU Moody's Investors Service
CS MOODY'S INVESTORS SERVICE, HISTORY & DEBT; NEW YORK (STATE OF)
CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF AMERICA; NORTH AMERICA
CSTY Source of statistical-tabular-summary information
PD 9 Jan 1999
DT COMPANY REPORT
FS Text Page; COMPANY REPORT
WC 536

L1 ANSWER 17 OF 39 INVESTTEXT COPYRIGHT 2001 TFS

AN 1999:242091 INVESTTEXT(tm) REPORT NUMBER:3427170
PGNO PAGE 1 OF 6
DN 3427170
TI American Science & Engr Inc.
AU Moody's Investors Service
CS MOODY'S INVESTORS SERVICE, COMPANY REPORT; NEW YORK (STATE OF)
CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF AMERICA; NORTH AMERICA
CSTY Source of statistical-tabular-summary information

PD 28 Nov 1998
DT COMPANY REPORT
FS Text Page; COMPANY REPORT
WC 525

L1 ANSWER 18 OF 39 INVESTEXT COPYRIGHT 2001 TFS

AN 1999:234604 INVESTEXT(tm) REPORT NUMBER:3429551
PGNO PAGE 2 OF 3

DN 3429551

TI American Science & Engr Inc. - History & Debt

AU Moody's Investors Service

CS MOODY'S INVESTORS SERVICE, HISTORY & DEBT; NEW YORK (STATE OF)
CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF
AMERICA; NORTH

AMERICA

CSTY Source of statistical-tabular-summary information

PD 28 Nov 1998

DT COMPANY REPORT

FS Text Page; COMPANY REPORT

WC 473

L1 ANSWER 19 OF 39 INVESTEXT COPYRIGHT 2001 TFS

AN 1999:071447 INVESTEXT(tm) REPORT NUMBER:3404041

PGNO PAGE 2 OF 3

DN 3404041

TI American Science & Engr Inc. - History & Debt

AU Moody's Investors Service

CS MOODY'S INVESTORS SERVICE, HISTORY & DEBT; NEW YORK (STATE OF)
CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF
AMERICA; NORTH

AMERICA

CSTY Source of statistical-tabular-summary information

PD 17 Oct 1998

DT COMPANY REPORT

FS Text Page; COMPANY REPORT

WC 499

L1 ANSWER 20 OF 39 INVESTEXT COPYRIGHT 2001 TFS

AN 1999:058489 INVESTEXT(tm) REPORT NUMBER:3401973

PGNO PAGE 1 OF 6

DN 3401973

TI American Science & Engr Inc.

AU Moody's Investors Service

CS MOODY'S INVESTORS SERVICE, COMPANY REPORT; NEW YORK (STATE
OF)

CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF
AMERICA; NORTH

4

01/12/01

AMERICA

CSTY Source of statistical-tabular-summary information

PD 17 Oct 1998

DT COMPANY REPORT

FS Text Page; COMPANY REPORT

WC 498

L1 ANSWER 21 OF 39 INVESTEXT COPYRIGHT 2001 TFS

AN 1998:970618 INVESTEXT(tm) REPORT NUMBER:3295857

PGNO PAGE 1 OF 6

DN 3295857

TI American Science & Engr Inc.

AU Moody's Investors Service

CS MOODY'S INVESTORS SERVICE, COMPANY REPORT; NEW YORK (STATE
OF)

CSR MID-ATLANTIC/MIDDLE ATLANTIC REGION; UNITED STATES OF
AMERICA; NORTH

AMERICA

CSTY Source of statistical-tabular-summary information

PD 29 Aug 1998

DT COMPANY REPORT

FS Text Page; COMPANY REPORT

WC 498

L1 ANSWER 22 OF 39 INVESTEXT COPYRIGHT 2001 TFS

AN 87:013407 INVESTEXT(tm) REPORT NUMBER: 703079

PGNO PAGE 1 OF 3

DN 703079

TI Trans World Corporation - Company Report

AU Pincavage, J.V.

CS PAINE WEBBER INC.; NEW YORK

CSR MID-ATLANTIC/MIDDLE ATLANTIC STATES; UNITED STATES OF
AMERICA; NORTH

AMERICA

CSTY Financial center investment bank-broker

PD 2 Feb 1987

DT COMPANY REPORT

FS Text Page; COMPANY REPORT

WC 435

L1 ANSWER 23 OF 39 COPYRIGHT 2001 Gale Group

AN 2000:295185 NLDDB

TI DOE IG Probes 'Lying' In Nuclear Complex.

SO New Technology Week, (30 Oct 2000) Vol. 14, No. 44, pp. 2.
ISSN: 0894-0789.

PB King Communications Group, Inc.

DT Newsletter

LA English
WC 771

L1 ANSWER 24 OF 39 COPYRIGHT 2001 Gale Group

AN 2000:284895 NLDB
TI Lying Allegations Reveal 'Bitter' Disarray In DOE Nuclear Security Program.

SO Energy Daily, (20 Oct 2000) Vol. 28, No. 202, pp. 1.
ISSN: 0364-5274.

PB King Communications Group, Inc.
DT Newsletter

LA English
WC 754

L1 ANSWER 25 OF 39 COPYRIGHT 2001 Gale Group

AN 2000:33424 NLDB

TI Office of the Press Secretary -- The Clinton-Gore administration FY2001 budget: Maintaining fiscal discipline while making key investments.

SO M2 Presswire, (8 Feb 2000).
PB M2 Communications Ltd.

DT Newsletter
LA English
WC 39114

L1 ANSWER 26 OF 39 COPYRIGHT 2001 Gale Group

AN 94:452289 NLDB

TI COUNTERING THE BOMB THREAT
SO Computer Audit Update, (Jan 1995).

ISSN: 0954-5217.

PB Elsevier Advanced Technology
DT Newsletter

LA English
WC 3340

L1 ANSWER 27 OF 39 COPYRIGHT 2001 Gale Group

AN 92:397650 NLDB

TI Terrorism exclusion wording issued
SO World Insurance Report, (20 Nov 1992).
PB Financial Times Business Information Ltd.

DT Newsletter
LA English
WC 705

L1 ANSWER 28 OF 39 NTIS COPYRIGHT 2001 NTIS

AN 1999(30):240 NTIS Order Number: DE00001898/XAB

TI Modeling Requirements for Simulating the Effects of Extreme Acts of

Terrorism: A White Paper.

AU Allen, M.; Hiebert-Dodd, K.; Marozas, D.; Paananen, O.; Pryor, R. J.
CS Sandia National Laboratories, Albuquerque, NM, and Livermore, CA (United States).

Sponsor: Department of Energy, Washington, DC

NC Contract: AC04-94AL85000

NR DE00001898/XAB; SAND98-2289

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Notes: Sponsored by Department of Energy, Washington, DC.

PD 1 Oct 1998

LA English CY United States
OS ERA9917

L1 ANSWER 29 OF 39 NTIS COPYRIGHT 2001 NTIS

AN 1988(10):1291 NTIS Order Number: DE88750762/XAD

TI EDRP (European Development Reprocessing Plant) Public Local Inquiry, UKAEA/BNFL Precognition on: Risk Targets and EDRP Design.

AU Brown, M. L.

CS UKAEA Headquarters, London (England).

Sponsor: British Nuclear Fuels Ltd., Risley

NR DE88750762/XAD; INIS-GB-33; DP-8-Add.1

112 p. NTIS Prices: PC A06/MF A01

Availability: U.S. Sales Only.

PD Jun 1986

LA English CY United Kingdom

OS GRA&I8810; ERA citation 13:008494

L1 ANSWER 30 OF 39 PROMT COPYRIGHT 2001 Gale Group

AN 2000:909787 PROMT

TI Lying Allegations Reveal 'Bitter' Disarray In DOE Nuclear Security Program.

AU LOBSENZ, GEORGE

SO Energy Daily, (20 Oct 2000) Vol. 28, No. 202, pp. 1.

ISSN: 0364-5274.

PB King Communications Group, Inc.

DT Newsletter

LA English

WC 754

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L1 ANSWER 31 OF 39 PROMT COPYRIGHT 2001 Gale Group

AN 1999:731234 PROMT

TI EQE Awarded Two Contracts.

SO Business Wire, (10 Nov 1999) pp. 631.

PB Business Wire

DT Newsletter

LA English

WC 267

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L1 ANSWER 32 OF 39 PROMT COPYRIGHT 2001 Gale Group

AN 1999:483342 PROMT

TI WILD WILD JEST.

AU KOSELUK, CHRIS

SO Hollywood Reporter, (20 Jul 1999) Vol. 358, No. 37, pp. S-18.

ISSN: 0018-3660.

PB BPI Communications, Inc.

DT Newsletter

LA English

WC 747

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L1 ANSWER 33 OF 39 PROMT COPYRIGHT 2001 Gale Group

AN 1999:443088 PROMT

TI Titan Corporation Awarded \$3.8 Million Contract From The Defense Threat Reduction Agency.

SO PR Newswire, (13 Jul 1999) pp. 10.

PB PR Newswire Association, Inc.

DT Newsletter

LA English

WC 364

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L1 ANSWER 34 OF 39 PROMT COPYRIGHT 2001 Gale Group

AN 1998:532208 PROMT

TI Pinkerton's unit created to fight terrorist activity.

Forms a new division called Business ***Risks*** International serving multinational firms with overseas operations

AU Garcia, Shelly

SO Los Angeles Business Journal, (5 Oct 1998) pp. 9.

ISSN: 0194-2603.

LA English

L1 ANSWER 35 OF 39 PROMT COPYRIGHT 2001 Gale Group

AN 1998:456874 PROMT

TI Study Confirms Terrorist ***Risk*** of EPA 'Worst-Case' Plan

SO PR Newswire, (3 Sep 1998) pp. 0903DCTH029.

LA English

WC 1862

6

01/12/01

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L1 ANSWER 36 OF 39 PROMT COPYRIGHT 2001 Gale Group

AN 1998:423792 PROMT

TI Make managers take charge of ***risk*** assessment

AU Canuel, Bob

SO Computing Canada, (17 Aug 1998) pp. 37.

ISSN: 0319-0161.

LA English

WC 684

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L1 ANSWER 37 OF 39 PROMT COPYRIGHT 2001 Gale Group

AN 92:666602 PROMT

TI U.K. reinsurers exclude terrorist acts

UK: Reinsurers have excluded terrorist acts in coverage

SO Business Insurance, (23 Nov 1992) pp. 53.

ISSN: 0007-6864.

LA English

WC 1108

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L1 ANSWER 38 OF 39 USPATFULL

AN 2000:129166 USPATFULL

TI System and method for demodulating global positioning system signals

IN Woo, Richard K. T., Orange, CA, United States

Quan, Jose O., Lawndale, CA, United States

Cheng, Unjeng, Arcadia, CA, United States

PA Navcom Technology, Inc., Redondo Beach, CA, United States (U.S. corporation)

PI US 6125135 20000926

AI US 1999-437779 19991110 (9)

PRAI US 1998-109909 19981125 (60)

DT Utility

EXNAM Primary Examiner: Vo, Don N.

LREP Pennie & Edmonds LLP

CLMN Number of Claims: 28

ECL Exemplary Claim: 1

DRWN 15 Drawing Figure(s); 15 Drawing Page(s)

LN.CNT 1675

L1 ANSWER 39 OF 39 USPATFULL

AN 1999:144478 USPATFULL

TI Chambering of low-energy training ammunition in automatic firearms

IN Dionne, Sylvain, Mirabel, Canada

PA SNC Industrial Technologies Inc./Les Technologies Industrielles SNC

Inc., Quebec, Canada (non-U.S. corporation)

PI US 5983773 19991116

AI US 1998-139418 19980825 (9)
 RLI Continuation-in-part of Ser. No. US 1997-863078, filed on 23 May 1997
 And a continuation-in-part of Ser. No. WO 1997-CA174, filed on 14 Mar 1997

DT Utility
 EXNAM Primary Examiner: Johnson, Stephen M.
 LREP French, David J.
 CLMN Number of Claims: 3
 ECL Exemplary Claim: 1
 DRWN 10 Drawing Figure(s); 2 Drawing Page(s)
 LN.CNT 460

=> s (risk or probability) and bayesian(network?)

13 FILES SEARCHED...
 20 FILES SEARCHED...

L2 1054 (RISK OR PROBABILITY) AND BAYESIAN(W) NETWORK?

=> s i2 and vulnerabil?

L3 0 L2 AND VULNERABIL?

=> s i2 and (risk or probability)(10a)loss

18 FILES SEARCHED...
 L4 1 L2 AND (RISK OR PROBABILITY)(10A) LOSS

=> d l bib

L4 ANSWER 1 OF 1 INSPEC COPYRIGHT 2001 IEE
 AN 2000:6590187 INSPEC DN C2000-06-7120-089
 TI Quantifying operational ***risk*** using ***Bayesian***
 networks and Monte Carlo simulations.
 AU Ojha, P.; Jain, V.; Marshall, C. (Sch. of Comput., Nat. Univ. of Singapore, Singapore)
 SO Proceedings of the Second International Conference on Information Fusion. FUSION '99
 Mountain View, CA, USA: Int. Soc. Inf. Fusion, 1999, p.993-1000 vol.2 of 2 vol.xxvi+1296 pp. 28 refs.
 Conference: Sunnyvale, CA, USA, 6-8 July 1999
 Sponsor(s): U.S. Army Res. Office; NASA Ames Res. Center; IEEE Control Syst. Soc.; IEEE Signal Process. Soc.; IEEE Aerosp. & Electron. Syst. Soc

DT Conference Article
 TC Practical
 CY United States
 LA English

AB Operational ***risk*** management imposes a structured approach to dealing with potential ***losses*** in complex operational processes and resources in financial firms. Two unique properties of operational ***risk*** (as opposed to financial ***risk***) make application of ***Bayesian*** ***networks*** (BNs) attractive to this domain. Firstly, in the absence of mark-to-market assets, operational ***risk*** measurement requires the integration of various data sources and expert judgements about ***risk***. The ability of BNs to structure subjective beliefs and learn interactively from data is attractive in this regard. Secondly, in the absence of liquid markets, where ***risks*** can be diversified away, operational ***risk*** needs to be internally actionable. The ability of BNs to structure conditional relationships between ***risk*** factors and draw probabilistic inferences and decision support is attractive in this regard. Monte Carlo simulation over a BN provides powerful capabilities for deriving more meaningful loss distributions rather than point ***probability*** estimates. A framework combining these two methodologies provides a way to both measure and manage operational ***risk*** in an integrated way. We have implemented a prototype system of the framework. Preliminary results demonstrate the practical promise of the framework.

CC C7120 Financial computing; C6170K Knowledge engineering techniques; C1140G Monte Carlo methods

CT BELIEF NETWORKS; DISCRETE EVENT SIMULATION; FINANCIAL DATA PROCESSING;
 ST ***operational risk quantification***; ***Bayesian networks***; Monte Carlo simulations; ***risk management***; potential losses; financial firms; mark-to-market assets; data source integration; expert judgement; subjective beliefs; interactive learning; liquid markets; ***risk diversification***; ***internally actionable risk***;

=> d l all

L4 ANSWER 1 OF 1 INSPEC COPYRIGHT 2001 IEE
 AN 2000:6590187 INSPEC DN C2000-06-7120-089
 TI Quantifying operational ***risk*** using ***Bayesian***
 networks and Monte Carlo simulations.
 AU Ojha, P.; Jain, V.; Marshall, C. (Sch. of Comput., Nat. Univ. of Singapore, Singapore)
 SO Proceedings of the Second International Conference on Information Fusion. FUSION '99
 Mountain View, CA, USA: Int. Soc. Inf. Fusion, 1999, p.993-1000 vol.2 of 2 vol.xxvi+1296 pp. 28 refs.
 Conference: Sunnyvale, CA, USA, 6-8 July 1999
 Sponsor(s): U.S. Army Res. Office; NASA Ames Res. Center; IEEE Control Syst. Soc.; IEEE Signal Process. Soc.; IEEE Aerosp. & Electron. Syst. Soc

DT Conference Article
 TC Practical
 CY United States
 LA English

AB Operational ***risk*** management imposes a structured approach to dealing with potential ***losses*** in complex operational processes and resources in financial firms. Two unique properties of operational ***risk*** (as opposed to financial ***risk***) make application of ***Bayesian*** ***networks*** (BNs) attractive to this domain. Firstly, in the absence of mark-to-market assets, operational ***risk*** measurement requires the integration of various data sources and expert judgements about ***risk***. The ability of BNs to structure subjective beliefs and learn interactively from data is attractive in this regard. Secondly, in the absence of liquid markets, where ***risks*** can be diversified away, operational ***risk*** needs to be internally actionable. The ability of BNs to structure conditional relationships between ***risk*** factors and draw probabilistic inferences and decision support is attractive in this regard. Monte Carlo simulation over a BN provides powerful capabilities for deriving more meaningful loss distributions rather than point ***probability*** estimates. A framework combining these two methodologies provides a way to both measure and manage operational ***risk*** in an integrated way. We have implemented a prototype system of the framework. Preliminary results demonstrate the practical promise of the framework.

CC C7120 Financial computing; C6170K Knowledge engineering techniques; C1140G Monte Carlo methods

CT BELIEF NETWORKS; DISCRETE EVENT SIMULATION; FINANCIAL DATA PROCESSING;
 ST ***operational risk quantification***; ***Bayesian networks***; Monte Carlo simulations; ***risk management***; potential losses; financial firms; mark-to-market assets; data source integration; expert judgement; subjective beliefs; interactive learning; liquid markets; ***risk diversification***; ***internally actionable risk***;

conditional relationships; ***risk factors*** ; probabilistic
inferences; decision support; loss distributions; prototype system

=> s l2 and (risk or probability)(20a)loss

20 FILES SEARCHED...

L5 1 L2 AND (RISK OR PROBABILITY)(20A) LOSS